

Over-the-Air (OTA) Programming

Version 1.1 | As Seen on [Over-the-Air \(OTA\) Programming](#)

What is Over-the-Air (OTA) Programming?

In today's [IoT-driven](#) world, it's a must to have an IoT platform with the capability to update a large number of edge devices, securely and [over-the-air](#).

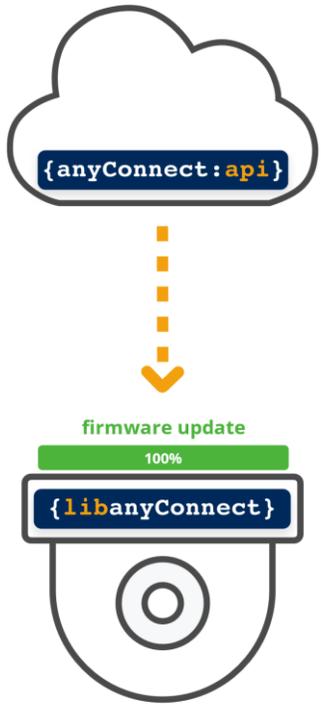
Furthermore, over-the-air updates are not good enough anymore. Your IoT platform has to manage the deployment of AI models to the edge as well as device settings, [access control](#), OS security patches, as well as new features and more to the edge device and edge device's leaf devices.

These deployments have to be centrally managed and the system has to provide information about the deployment status and possible errors. It's particularly important for devices that scattered around a large area and that are connected intermittently, like [Wi-Fi](#), [4G](#) & [5G](#) devices (e.g., connected [dashcams](#) for a [fleet](#) of trucks).

The Over-the-Air programming system shall be able to accommodate a large variety of hardware, operating systems, applications, and firmware.



AnyConnect Over-the-Air (OTA) Programming and Updates



AnyConnect's Smarter Camera platform allows the administrators of large deployments of camera networks and devices to program and update those over-the-air, securely, and at scale.

AnyConnect Smarter Camera Platform Over-the-Air Programming system supports programming and updating the following:

- AnyConnect [libraries](#) & device application
- [Access Control](#) Rights
- Configuration
- OS & Firmware
 - Supported update strategies: A/B and Non-A/B, Single & Dual Copy, Differential
 - Devices running AnyConnect Libraries
 - Full upgrade or security patches

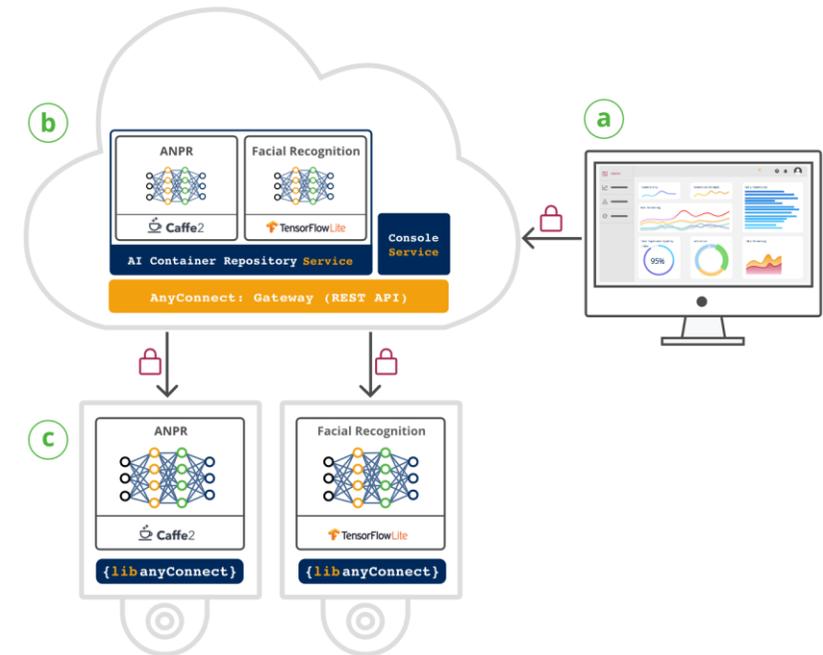
We designed AnyConnect Smarter Camera Platform Over-the-Air Programming system to be as ubiquitous as possible towards hardware, software, and firmware to accommodate as many kinds of different devices as possible. Like the rest of the platform, it's natively secured and built for intermittent connections, like [Wi-Fi](#), [4G](#) & [5G](#).

Over-the-Air Programming for AI at the edge & Administration

Over-the-Air programming and update are managed centrally through AnyConnect [Console](#). AnyConnect Console allows administrators to push configuration, updates, patches, etc. to edge devices, from a single web portal. It provides a status of the deployment jobs in real-time with the granularity level of a single device.

AnyConnect Smarter Camera platform uses the same Over-the-Air Programming system to deploy [AI Containers](#) to edge devices. AI Containers simplify the deployment of Trained Neural Networks Models, to edge devices with AI Accelerators. The same Console allows users to select and deploy AI containers, Over-the-Air, simply.

- a. Select AI Containers from our AI Container Repository.
- b. Optionally, upload your own AI Containers to our AI Container Repository.
- c. Deploy selected AI Containers to your cameras with AnyConnect's OTA Programming feature.



Explore smart cameras with over-the-air (OTA) programming

Speak to a smarter camera expert today

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